

Applicants : Philip Livingston et. al.
U.S. Serial No.: 09/534,711
Filed : March 24, 2000
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Please amend the subject application as follows:

In the claims:

→ Please cancel claims ~~3-4~~ and ~~9-10~~ without prejudice or disclaimer to applicants rights to pursue the subject matter of these claims in a later-filed application. Please amend claims 1, 5-7, 11-12, 14 and 16 under the provisions of 37 C.F.R. § 1.121(c) as follows. A marked up version of the amended claims wherein the deleted material is in brackets and the inserted material is underlined is attached hereto as Exhibit A:

B1
- 1. (Amended) A composition which comprises:

- a) a conjugate of i) a fucosyl GM1 ganglioside ^{derivative} to ii) an immunogenic protein,
- b) a carbohydrate derived from the bark of a Quillaja saponaria Molina tree, and
- c) a pharmaceutically acceptable carrier,

the amounts of such conjugate[d ganglioside] and such ^{antigen} adjuvant being effective to stimulate or enhance antibody production in a subject,

wherein, in the conjugate the ganglioside derivative is conjugated to the immunogenic protein through a ceramide portion of the ganglioside. --

B2
- 5. (Amended) The composition of claim 1, wherein the carbohydrate is QS-21. --

B3
6. (Amended) The composition of claim 1, wherein the amount of the

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ganglioside is an amount between about 3 μ g and about 100 μ g.

B4 7. (Amended) The composition of claim 5, wherein the amount of QS-21 is an amount between about 30 μ g and about 100 μ g.

B5 --11. (2X Amended) A method of enhancing antibody production in a subject which comprises administering to the subject an effective antibody producing amount of the composition of claim 1, so as to thereby enhance antibody production in the subject.--

B6 --12. (2X Amended) A method of preventing a small cell lung cancer in a subject which comprises administering to the subject an effective small cell lung cancer preventing amount of the composition of claim 1, so as to thereby prevent the small cell lung cancer in the subject.--

B7 --14. (2X Amended) A method of treating a small cell lung cancer in a subject which comprises administering to the subject an effective small cell lung treating amount of the composition of claim 1, so as to thereby treat the small cell lung cancer in the subject.--

B8 --16. (Amended) A method of preventing relapse of a small cell lung cancer in a subject which comprises administering to the subject an effective small cell lung cancer relapse preventing amount of the composition of claim 1, so as to